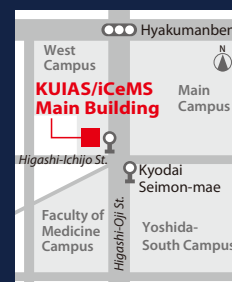


Illustration by Mindy Takamiya

First QNM-iCeMS Symposium

# Exploring New Approaches for Cancer Therapy

## G-proteins, Precision Medicine and Quantum Beams



**Date** December 13, 2019, Friday

**Place** Kyoto University, Lecture Hall, iCeMS main building

**Session 1** 10 : 00 – 11 : 45 am

**G-proteins and Signal Transduction**

Chair: Reiko Sakaguchi  
(Kyoto University iCeMS,  
Assistant Professor)

**Cooperative mechanism of cell adhesion molecules and growth factor receptors**

Yoshimi Takai (Kobe University, Professor)

**Extracellular matrix regulator RECK: a promising marker and effector for developing novel cancer therapy**

Makoto Noda (Kyoto University, Vice-president, Professor/ IFOH-KU, Director)

**DNA-based small molecule approach to control cancer-associated factors like RAS**

Ganesh Pandian Namasivayam (Kyoto University iCeMS, Lecturer/PI)

**Lunch** 11 : 45 – 12 : 45

**Session 2** 1 : 00 – 2 : 45 pm

**Genomics and Precision Medicine**

Chair: Koichi Hasegawa  
(Kyoto University iCeMS, Lecturer/PI)

**On the origin of cancer**

Seishi Ogawa (Kyoto University, Professor)

**Patient-derived cancer model**

Tadashi Kondo (National Cancer Center, Tokyo, Rare Cancer Division Director)

**Precision medicine**

Masashi Kanai (Kyoto University, Associate Professor)

**Coffee Break** 2 : 45 – 3 : 00 pm

**Session 3** 3 : 00 – 4 : 45 pm

**Quantum Beams and Nanomedicine**

Chair: Atsushi Nakano  
(UCLA/ Kyoto University,  
Associate Professor)

**Quantum beams for material science**

Kunihisa Sugimoto (Spring-8, JASRI/Kyoto University iCeMS Associate Professor)

**Novel radiation therapy employing monochromatic X-ray and nanoparticles**

Fuyuhiko Tamanoi (Kyoto University/UCLA, Professor)

**Closing**



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